IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, in the application:

What is claimed is:

- 1. (currently amended) A eementitious material manufacturable process, said method for inhibiting the corrosion of metals embedded in a cementitious material, said cementitious material manufacturable from a process comprising the activities of:

 providing cementitious material;

 manufacturing lithium nitrate; and

 providing said lithium nitrate for addition to said cementitious material at an effective dosage rate for inhibiting the corrosion of metals embedded in the cementitious material.
- 2. (original) The method of claim 1, wherein said effective dosage rate is between about 0.01 gram moles of lithium nitrate per cubic foot of cementitious material and about 100 gram moles of lithium nitrate per cubic foot of cementitious material.
 - 3. (original) The method of claim 1, wherein said effective dosage rate is between about 0.01 gram moles of lithium nitrate per cubic foot of cementitious material and about 0.1 gram moles of lithium nitrate per cubic foot of cementitious material.
- 4. (original) The method of claim 1, wherein said effective dosage rate is between about 0.1 gram moles of lithium nitrate per cubic foot of cementitious material and about 1 gram moles of lithium nitrate per cubic foot of cementitious material.

1 5. (original) The method of claim 1, wherein said effective dosage rate is 2 between about 1 gram moles of lithium nitrate per cubic foot of cementitious material 3 and about 10 gram moles of lithium nitrate per cubic foot of cementitious material. 1 6. (original) The method of claim 1, wherein said effective dosage rate is 2 between about 10 gram moles of lithium nitrate per cubic foot of cementitious material and about 100 gram moles of lithium nitrate per cubic foot of cementitious material. 3 1 7. (original) The method of claim 1, wherein said effective dosage rate is 2 about 0.815 gram moles of lithium nitrate per cubic foot of cementitious material. 1 8. (original) The method of claim 1, wherein said lithium nitrate is provided as 2 a solid. 1 9. (original) The method of claim 1, wherein said lithium nitrate is provided in 2 an aqueous solution. 1 10. (original) The method of claim 1, wherein said cementitious material is 2 concrete. 1 11. (original) The method of claim 1, wherein said cementitious material is 2 grout. 1 12. The method of claim 1, wherein said cementitious material is mortar. 1 13. (original) The method of claim 1, wherein said cementitious material is 2 pozzalanic cement.

1	14. (original) The method of claim 1, wherein said cementitious material is at
2	least one of cement, grout, mortar, and pozzalanic cement, or any combination thereof.
1	15. (currently amended) A concrete or cementitious material manufacturable
2	process,said method for inhibiting the corrosion of metals embedded in concrete or any
3	other cementitious material, said concrete or cementitious material manufacturable
4	from a process comprising the activities of:
5	providing concrete or any other cementitious material;
6	obtaining lithium nitrate; and
7	mixing said lithium nitrate with said concrete or cementitious material at an
8	effective dosage rate for inhibiting the corrosion of metals embedded in the concrete or
9	any other of the cementitious material.
1	16. (original) The method of claim 15, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of concrete or
3	cementitious material and about 100 gram moles of lithium nitrate per cubic foot of
4	concrete or cementitious material.
1	17. (original) The method of claim 15, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of concrete or
3	cementitious material and about 0.1 gram moles of lithium nitrate per cubic foot of
4	concrete or cementitious material.
1	18. (original) The method of claim 15, wherein said effective dosage rate is
2	between about 0.1 gram moles of lithium nitrate per cubic foot of concrete or
3	cementitious material and about 1 gram moles of lithium nitrate per cubic foot of
4	concrete or cementitious material.

1	19. (original) The method of claim 15, wherein said effective dosage rate is
2	between about 1 gram moles of lithium nitrate per cubic foot of concrete or
3	cementitious material and about 10 gram moles of lithium nitrate per cubic foot of
4	concrete or cementitious material.
1	20. (original) The method of claim 15, wherein said effective dosage rate is
2	between about 10 gram moles of lithium nitrate per cubic foot of concrete or
3	cementitious material and about 100 gram moles of lithium nitrate per cubic foot of
4	concrete or cementitious material.
1	21. (original) The method of claim 15, wherein said effective dosage rate is
2	about 0.815 gram moles of lithium nitrate per cubic foot of concrete or cementitious
3	material.
1	22. (currently amended) A grout manufacturable processmethod for inhibiting
2	the corrosion of metals embedded in grout, said grout manufacturable from a process
3	comprising the activities of:
4	providing grout material;
5	obtaining lithium nitrate; and
6	mixing said lithium nitrate with said grout at an effective dosage rate-for
7	inhibiting the corrosion of metals embedded in the grout.
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1	23. (original) The method of claim 22, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of grout and about 80
3	gram moles of lithium nitrate per cubic foot of grout.
1	24. (original) The method of claim 22, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of grout and about 82
3	gram moles of lithium nitrate per cubic foot of grout.

I	23. (original) The method of claim 22, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of grout and about 100
3	gram moles of lithium nitrate per cubic foot of grout.
1	26. (original) The method of claim 22, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of grout and about 0.1
3	gram moles of lithium nitrate per cubic foot of grout.
1	27. (original) The method of claim 22, wherein said effective dosage rate is
2	between about 0.1 gram moles of lithium nitrate per cubic foot of grout and about 1
3	gram moles of lithium nitrate per cubic foot of grout.
1	28. (original) The method of claim 22, wherein said effective dosage rate is
2	between about 1 gram moles of lithium nitrate per cubic foot of grout and about 10
3	gram moles of lithium nitrate per cubic foot of grout.
1	29. (original) The method of claim 22, wherein said effective dosage rate is
2	between about 10 gram moles of lithium nitrate per cubic foot of grout and about 100
3	gram moles of lithium nitrate per cubic foot of grout.
1	30. (original) The method of claim 22, wherein said effective dosage rate is
2	about 0.815 gram moles of lithium nitrate per cubic foot of grout.
1	31. (currently amended) A mortar manufacturable process, method for
2	inhibiting the corrosion of metals embedded in mortar, said mortar manufacturable
3	from a said-process comprising the activities of:
4	providing mortar material;
5	obtaining lithium nitrate: and

6	mixing said lithium nitrate with said mortar at an effective dosage rate-for
7	inhibiting the corrosion of metals embedded in the mortar.
1	32. (original) The method of claim 31, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of mortar and about 80
3	gram moles of lithium nitrate per cubic foot of mortar.
1	33. (original) The method of claim 31, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of mortar and about 82
3	gram moles of lithium nitrate per cubic foot of mortar.
1	34. (original) The method of claim 31, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of mortar and about
3	100 gram moles of lithium nitrate per cubic foot of mortar.
1	35. (original) The method of claim 31, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of mortar and about
3	0.1 gram moles of lithium nitrate per cubic foot of mortar.
1	36. (original) The method of claim 31, wherein said effective dosage rate is
2	between about 0.1 gram moles of lithium nitrate per cubic foot of mortar and about 1
3	gram moles of lithium nitrate per cubic foot of mortar.
1	37. (original) The method of claim 31, wherein said effective dosage rate is
2	between about 1 gram moles of lithium nitrate per cubic foot of mortar and about 10
3	gram moles of lithium nitrate per cubic foot of mortar.
1	38. (original) The method of claim 31, wherein said effective dosage rate is

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- between about 10 gram moles of lithium nitrate per cubic foot of mortar and about 100
 gram moles of lithium nitrate per cubic foot of mortar.
 - 39. (original) The method of claim 31, wherein said effective dosage rate is about 0.815 gram moles of lithium nitrate per cubic foot of mortar.
- 1 40. (currently amended) A cementitious material manufacturable process, 2 method for inhibiting the corrosion of metals embedded in cementitious material, said 3 cementitious material manufacturable from a said-process comprising the activities of: 4 providing cementitious material; 5 obtaining lithium nitrate; and 6 applying said lithium nitrate to the surface of said cementitious material at an 7 effective dosage rate for inhibiting the corrosion of metals embedded in the 8 cementitious material.
 - 41. (original) The method of claim 40, wherein said effective dosage rate is between about 0.01 gram moles of lithium nitrate per cubic foot of cementitious material and about 100 gram moles of lithium nitrate per cubic foot of cementitious material.
 - 42. (original) The method of claim 40, wherein said effective dosage rate is between about 0.01 gram moles of lithium nitrate per cubic foot of cementitious material and about 0.10 gram moles of lithium nitrate per cubic foot of cementitious material.
 - 43. (original) The method of claim 40, wherein said effective dosage rate is between about 0.1 gram moles of lithium nitrate per cubic foot of cementitious material and about 1 gram moles of lithium nitrate per cubic foot of cementitious material.

1	44. (original) The method of claim 40, wherein said effective dosage rate is
2	between about 1 gram moles of lithium nitrate per cubic foot of cementitious material
3	and about 10 gram moles of lithium nitrate per cubic foot of cementitious material.
1	45. (original) The method of claim 40, wherein said effective dosage rate is
2	between about 10 gram moles of lithium nitrate per cubic foot of cementitious material
3	and about 100 gram moles of lithium nitrate per cubic foot of cementitious material.
1	46. (original) The method of claim 40, wherein said effective dosage rate is
2	about 0.815 gram moles of lithium nitrate per cubic foot of cementitious material.
1	47. (currently amended) A cementitious material manufacturable process,
2	method for inhibiting the corrosion of metals in embedded in cementitious material,
3	said cementitious material manufacturable from a previously heated Portland cement
4	composition, said Portland cement manufacturable from a said process comprising the
5	activities of:
6	providing cementitious material, said cementitious material manufacturable
7	from a previously heated Portland cement composition;
8	obtaining lithium nitrate; and
9	admixing said lithium nitrate with said Portland cement composition at an
10	effective dosage rate for inhibiting the corrosion of metals in embedded in the
11	cementitious material.
1	48. (original) The method of claim 47, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of cement and about
3	100 gram moles of lithium nitrate per cubic foot of cement.
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. 1	49. (original) The method of claim 47, wherein said effective dosage rate is
2	between about 0.01 gram moles of lithium nitrate per cubic foot of cement and about

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1	50. (original) The method of claim 47, wherein said effective dosage rate is
2	between about 0.1 gram moles of lithium nitrate per cubic foot of cement and about 1
3	gram moles of lithium nitrate per cubic foot of cement.
1	51. (original) The method of claim 47, wherein said effective dosage rate is
2	between about 1 gram moles of lithium nitrate per cubic foot of cement and about 10
3	gram moles of lithium nitrate per cubic foot of cement.
1	52. (original) The method of claim 47, wherein said effective dosage rate is
2	between about 10 gram moles of lithium nitrate per cubic foot of cement and about 100
3	gram moles of lithium nitrate per cubic foot of cement.
1	53. (original) The method of claim 47, wherein said effective dosage rate is
2	about 0.815 gram moles of lithium nitrate per cubic foot of cement.
1	54. (currently amended) A-cementitious material manufacturable process,
2	method for inhibiting the corrosion of metals embedded in cementitious material, said
3	cementitious material comprising a Portland cement composition, said Portland cement
4	composition creatable from a method process-comprising the activities of:
5	providing cementitious material, said cementitious material comprising a
6	Portland cement composition;
7	• •
	obtaining lithium nitrate;
8	admixing said lithium nitrate with said Portland cement in an amount sufficient
9	to inhibit the corrosion of metals; and
10	heating said material to form a Portland cement clinker-for inhibiting the
11	corrosion of metals ambedded in comentitious metarial

0.1 gram moles of lithium nitrate per cubic foot of cement.

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concrete or cementitious material.

1	55. (original) The method of claim 54, wherein said sufficient amount
2	provides a molar ratio of lithium to sodium equivalent in the resultant cement clinker
3	of between about 0.01:1 to about 10:1.
1	56. (original) The method of claim 54, wherein said sufficient amount
2	provides a molar ratio of lithium to sodium equivalent in the resultant cement clinker
3	of between about 0.01:1 to about 0.1:1.
1	57. (original) The method of claim 54, wherein said sufficient amount
2	provides a molar ratio of lithium to sodium equivalent in the resultant cement clinker
3	of between about 0.1:1 to about 1:1.
1	58. (original) The method of claim 54, wherein said sufficient amount
2	provides a molar ratio of lithium to sodium equivalent in the resultant cement clinker
3	of between about 1:1 to about 5:1.
1	59. (original) The method of claim 54, wherein said sufficient amount
2	provides a molar ratio of lithium to sodium equivalent in the resultant cement clinker
3	of between about 5:1 to about 10:1.
1	60. (cancelled) A composition comprising:
2	a concrete or cementitious material comprising between about 0.01 gram moles
3	of lithium nitrate per cubic foot of concrete to about 100 gram moles of lithium nitrate
4	per cubic foot of concrete or cementitious material.
1	61. (cancelled) The composition of claim 60, wherein said concrete or
2	cementitious material comprises between about 0.01 gram moles of lithium nitrate per

cubic foot of concrete to about 0.1 gram moles of lithium nitrate per cubic foot of

1	62. (cancelled) The composition of claim 60, wherein said concrete or
2	cementitious material comprises between about 0.1 gram moles of lithium nitrate per
3	cubic foot of concrete to about 1 gram moles of lithium nitrate per cubic foot of
4	concrete.
1	63. (cancelled) The composition of claim 60, wherein said concrete or
2	cementitious material comprises between about 1 gram moles of lithium nitrate per
3	cubic foot of concrete to about 10 gram moles of lithium nitrate per cubic foot of
4	concrete or cementitious material.
1	64. (cancelled) The composition of claim 60, wherein said concrete or
2	cementitious material comprises between about 10 gram moles of lithium nitrate per
3	cubic foot of concrete to about 100 gram moles of lithium nitrate per cubic foot of
4	concrete or cementitious material.
1	65. (cancelled) The composition of claim 60, wherein said concrete or
2	cementitious material comprises about 0.815 gram moles of lithium nitrate per cubic
3	foot of grout or cementitious material.
1	66. (cancelled) A composition comprising:
2	a grout comprising between about 0.01 gram moles of lithium nitrate per cubic
3	foot of grout to about 100 gram moles of lithium nitrate per cubic foot of grout.
1	67. (cancelled) The composition of claim 66, wherein said grout comprises
2	between about 0.01 gram moles of lithium nitrate per cubic foot of grout and about 80
3	gram moles of lithium nitrate per cubic foot of grout.
1	68. (cancelled) The composition of claim 66, wherein said grout comprises
2	between about 0.01 gram moles of lithium nitrate per cubic foot of grout and about 82

3 gram moles of lithium nitrate per cubic foot of grout. 1 69. (cancelled) The composition of claim 66, wherein grout comprises 2 between about 0.01 gram moles of lithium nitrate per cubic foot of grout and about 0.1 3 gram moles of lithium nitrate per cubic foot of grout. 1 70. (cancelled) The composition of claim 66, wherein said grout between 2 about 0.1 gram moles of lithium nitrate per cubic foot of grout and about 1 gram moles 3 of lithium nitrate per cubic foot of grout. 1 71. (cancelled) The composition of claim 66, wherein said grout comprises 2 between about 1 gram moles of lithium nitrate per cubic foot of grout and about 10 3 gram moles of lithium nitrate per cubic foot of grout. 1 72. (cancelled) The composition of claim 66, wherein said grout comprises 2 between about 10 gram moles of lithium nitrate per cubic foot of grout and about 100 3 gram moles of lithium nitrate per cubic foot of grout. 1 73. (cancelled) The composition of claim 66, wherein said grout comprises 2 about 0.815 gram moles of lithium nitrate per cubic foot of grout. 1 74. (cancelled) A composition comprising: 2 a mortar comprising between about 0.01 gram moles of lithium nitrate per cubic 3 foot of mortar to about 100 gram moles of lithium nitrate per cubic foot of mortar. 1 75. (cancelled) The composition of claim 74, wherein said mortar comprises 2 between about 0.01 gram moles of lithium nitrate per cubic foot of mortar and about 80

gram moles of lithium nitrate per cubic foot of mortar.

1	76. (cancelled) The composition of claim 74, wherein said mortar comprises
2	between about 0.01 gram moles of lithium nitrate per cubic foot of mortar and about 82
3	gram moles of lithium nitrate per cubic foot of mortar.
1	77. (cancelled) The composition of claim 74, wherein mortar comprises
2	between about 0.01 gram moles of lithium nitrate per cubic foot of mortar and about
3	0.1 gram moles of lithium nitrate per cubic foot of mortar.
1	78. (cancelled) The composition of claim 74, wherein said mortar between
2	about 0.1 gram moles of lithium nitrate per cubic foot of mortar and about 1 gram
3	moles of lithium nitrate per cubic foot of mortar.
1	79. (cancelled) The composition of claim 74, wherein said mortar comprises
2	between about 1 gram moles of lithium nitrate per cubic foot of mortar and about 10
3	gram moles of lithium nitrate per cubic foot of mortar.
1	80. (cancelled) The composition of claim 74, wherein said mortar comprises
2	between about 10 gram moles of lithium nitrate per cubic foot of mortar and about 100
3	gram moles of lithium nitrate per cubic foot of mortar.
1	81. (cancelled) The composition of claim 74, wherein said mortar comprises
2	about 0.815 gram moles of lithium nitrate per cubic foot of mortar.
1	82. (cancelled) A composition comprising:
2	a cementitious material comprising an effective amount lithium nitrate per
3	cubic foot of cementitious material for inhibiting the corrosion of metals embedded in
4	cementitious material.